BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: ADDITIONAL AND ALTERATION OF GOVT SCHOOL AT ATTUR VILLAGE IN ATTUR WARD NO -03

DEMOLITION

	Description of Item	Unit	No	L	B	D	QTY	Rate	Amount
1	KSRRB M200-12.3. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. C. Prestressed / Reinforced cement concrete grade M-20 & above. MORTH Specification No. 202.(Pg No 139 ,Item No 18.19)								
	Ground floor								
	At South								
	Slab	cum	1	14.50	6.65	0.15	14.46		
	Pillars	cum	5	0.25	0.25	2.85	0.89		
	Beams Shorter	cum	4	14.50	0.30	0.30	5.22		
	Beams Longer	cum	4	4.50	0.30	0.30	1.62		
	Basic rate							1589.00	
	Area weightage 8%							127.12	
	Total						**22.19**	**1716.12**	**38088.21**
2	KSRRB M200-14.2.Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete asper specifications **Dismantling brick/Tile work B. In cement mortar**. Pg No.139 Item No.18.23								
	Ground floor								
	At North								
	Longer Wall	Cum	2	16.20	0.20	3.00	19.44		
	Shorter Wall	Cum	3	5.20	0.20	3.00	9.36		
	Pillars	Cum	6	0.40	0.40	3.15	3.02		
	At South								
	Longer Wall	Cum	2	24.15	0.20	3.00	28.98		
	Shorter Wall	Cum	3	4.10	0.20	3.00	7.38		
	Toilet								
	Longer Wall	Cum	2	7.45	0.20	2.50	7.45		
	Shorter Wall	Cum	2	1.60	0.20	2.50	1.60		
	Toilet								
	Longer Wall	Cum	2	4.80	0.20	2.50	4.80		
	Shorter Wall	Cum	2	1.27	0.20	2.50	1.27		
	Basic rate							351.00	
	Area weightage 8%							28.08	
	Total						**83.30**	**379.08**	**31578.88**

	Description of Item	Unit	No	L	B	D	QTY	Rate	Amount
3	37.51: Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200m (within average thickness of 15 cms) No. KBS Pg No 270 ,Item No 37.51,								
	Ground Floor								
	Flooring								
	At North	Sqm	1	16.20	5.6		90.72		
	Corridor	Sqm	1	16.20	2.6		42.12		
	At South	Sqm	1	14.50	5.4		78.30		
		Sqm	1	9.65	5.4		52.11		
	Corridor	Sqm	1	14.50	1.52		22.04		
	Toilet	Sqm	1	7.45	1.7		12.67		
		Sqm	1	4.80	1.67		8.02		
	Basic rate							86.00	
	Area weightage 8%							6.88	
	Total						**305.97**	**92.88**	**28418.59**
4	.Dismantling plastering and removing the debris with a lead upto 200m. (P.No.270, I.No. 37.50)								
	Internal plastering								
	Ground Floor								
	At North	Sqm	2	16.2		3.00	97.20		
		Sqm	2	16		3.00	96.00		
	At south	Sqm	3	5.4		3.00	48.60		
		Sqm	2	23.75		3.00	142.50		
	Toilet	Sqm	2	7.45		3.00	44.70		
		Sqm	2	1.7		3.00	10.20		
	Deduction								
	At North								
	Door	Sqm	-2	1.2		2.1	-5.04		
	Window	Sqm	-6	1.5		1.5	-13.50		
	At South								
	Doors	Sqm	-3	1.2		2.1	-7.56		
	Window	Sqm	-6	1.5		1.5	-13.50		
	Toilet								
	Door	Sqm	-2	0.75		2.1	-3.15		
	Basic rate							37.00	
	Area weightage 8%							2.96	
	Total						**396.45**	**39.96**	**15842.14**

	Description of Item	Unit	No	L	B	D	QTY	Rate	Amount
5	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item No17.4								
	DEBRIS	Cum					159.32		
	Loading and unloading item no.17.1 KSRRB M 100-1	Cum						57.00	
	Basic rate for haulage of materials as per item No. 17.4 KSRRB : M 100 - 4.1	t.km	For surface roads exluding Basic rate loading & unloading					2.00	
	Average Weight of Debris (1.3 Tonne/cum.)	For2Kms =2x1.3x2.5						5.20	
	Basic rate							62.20	
	Area weightage 8%							4.98	
	Total						**159.32**	**67.18**	**10702.68**
6	Dismantling Mangalore tiles roof and stacking the material within a radius of 50 meters. - - with reepers. (P.No. 269, I.No. 37.42.1 of SR 2018-19).								
	Roof	Sqm	1	16.2	5.60		90.72		
		Sqm	1	9.65	4.50		43.43		
	Basic rate							74.00	
	Area weightage 8%							5.92	
	Total						**134.15**	**79.92**	**10720.87**

BUILDING

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
7	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) / 2.3.5 Pg No 6,Item No 2.4								
	Footings								
	C1	Cum	15	3.1	2.7	1.5	188.33		
	C1'	Cum	4	3.3	2.6	1.5	51.48		
	C2	Cum	8	2.8	1.1	1.5	36.96		
	C3	Cum	1	4.2	1.5	1.5	9.45		
	C4	Cum	1	2.4	2.4	1.5	8.64		
	CF1	Cum	1	7.2	2.3	1.5	24.84		
	CF2	Cum	1	3.7	3	1.5	16.65		
	CF3	Cum	3	5.1	2	1.5	45.90		
	CF4	Cum	1	4.4	2.6	1.5	17.16		
	SSM Footing								
	Along Long Direction	Cum	1	6.45	0.9	0.75	4.35		
		Cum	1	4.25	0.9	0.75	2.87		
		Cum	6	5.7	0.9	0.75	23.09		
		Cum	1	3.75	0.9	0.75	2.53		
	Along Short Direction	Cum	7	4.4	0.9	0.75	20.79		
		Cum	1	4.3	0.9	0.75	2.90		
		Cum	2	3.72	0.9	0.75	5.02		
		Cum	4	1.3	0.9	0.75	3.51		
	Along Corridor	Cum	1	6.05	0.9	0.75	4.08		
		Cum	1	4.22	0.9	0.75	2.85		
	Basic rate							449.00	
	Area weightage 8%							35.92	
	Total						**471.40**	**484.92**	**228591.53**
8	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. Specification No. KBS Pg No 7, Item No 2.15								
	Footings								
	C1	Cum	15	3.1	2.7	0.15	18.83		
	C1'	Cum	4	3.3	2.6	0.15	5.15		
	C2	Cum	8	2.8	1.1	0.15	3.70		
	C3	Cum	1	4.2	1.5	0.15	0.95		
	C4	Cum	1	2.4	2.4	0.15	0.86		
	CF1	Cum	1	7.2	2.3	0.15	2.48		
	CF2	Cum	1	3.7	3	0.15	1.67		
	CF3	Cum	3	5.1	2	0.15	4.59		
	CF4	Cum	1	4.4	2.6	0.15	1.72		
	Basic rate							2429.00	
	Area weightage 8%							194.32	
	Total						**39.94**	**2623.32**	**104776.71**
9	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 Pg No.13 Item No 4.3								
	Footings								
	C1	Cum	15	3.1	2.7	0.15	18.83		
	C1'	Cum	4	3.3	2.6	0.15	5.15		
	C2	Cum	8	2.8	1.1	0.15	3.70		
	C3	Cum	1	4.2	1.5	0.15	0.95		
	C4	Cum	1	2.4	2.4	0.15	0.86		
	CF1	Cum	1	7.2	2.3	0.15	2.48		
	CF2	Cum	1	3.7	3	0.15	1.67		
	CF3	Cum	3	5.1	2	0.15	4.59		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	CF4	Cum	1	4.4	2.6	0.15	1.72		
	SSM Below								
	Along Long Direction	Cum	1	29.8	0.9	0.15	4.02		
		Cum	1	22.5	0.9	0.15	3.04		
		Cum	6	7.53	0.9	0.15	6.10		
		Cum	1	3.75	0.9	0.15	0.51		
	Along Short Direction	Cum	7	5.8	0.9	0.15	5.48		
		Cum	1	4.9	0.9	0.15	0.66		
		Cum	2	19.62	0.9	0.15	5.30		
		Cum	4	1.3	0.9	0.15	0.70		
	Along Corridor	Cum	1	22.8	0.9	0.15	3.08		
		Cum	1	12.62	0.9	0.15	1.70		
	Basic rate							5102.00	
	Area weightage 8%							408.16	
	Total						70.53	**5510.16**	**388610.10**
10	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, I.No. 4.5 of PWD SR 2018-19)								
	Above SSM								
	Along Long Direction	Cum	1	29.8	0.6	0.1	1.79		
		Cum	1	22.5	0.6	0.1	1.35		
		Cum	6	7.525	0.6	0.1	2.71		
		Cum	1	3.75	0.6	0.1	0.23		
	Along Short Direction	Cum	7	5.8	0.6	0.1	2.44		
		Cum	1	4.9	0.9	0.1	0.44		
		Cum	2	19.62	0.6	0.1	2.35		
		Cum	4	1.3	0.6	0.1	0.31		
	Along Corridor	Cum	1	22.8	0.6	0.1	1.37		
		Cum	1	12.62	0.6	0.1	0.76		
	Plinth area								
	Along long Direction	Cum	1	23.00	6.00	0.15	20.70		
	Corridor	Cum	1	24.60	1.80	0.15	6.64		
	Along Short Direction	Cum	1	19.62	5.80	0.15	17.07		
	Corridor	Cum	1	21.72	1.80	0.15	5.86		
	Basic rate							5328.00	
	Area weightage 8%							426.24	
	Total						64.02	**5754.24**	**368365.73**
11	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing completeas per specifications.KBS 5.1.13 Pg No 25 item No 5.6								
	SSM Footing								
	Along Long Direction	Cum	1	29.80	0.60	0.75	13.41		
		Cum	1	22.50	0.60	0.75	10.13		
		Cum	6	7.53	0.60	0.75	20.32		
		Cum	1	3.75	0.60	0.75	1.69		
	Along Short Direction	Cum	7	5.80	0.60	0.75	18.27		
		Cum	1	4.90	0.60	0.75	2.21		
		Cum	2	19.62	0.60	0.75	17.66		
		Cum	4	1.30	0.60	0.75	2.34		
	Along Corridor	Cum	1	22.8	0.60	0.75	10.26		
		Cum	1	12.62	0.60	0.75	5.68		
	Basic rate							4596.00	
	Area weightage 8%							367.68	
	Total						101.95	**4963.68**	**506057.10**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
12	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9, Pg No.7, Item No.2.10								
	Filling Available of Excavated Earth								
	Earth Work Excavation	Cum					471.40		
	PCC for Footing	Cum					-70.53		
	Filling in foundation with granite / trap broken metal	Cum					-39.94		
	SSM Footing	Cum					-101.95		
	Footing Concrete Quantity	Cum					-131.70		
	Basic rate							201.00	
	Area weightage 8%							16.08	
	Total						**127.28**	**217.08**	**27631.01**
13	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item No17.4								
	Excavated Earth	Cum					471.40		
	Filling Available of Excavated Earth						-127.28		
	Loading and unloading item no.17.1 KSRRB M 100-1	Cum						57.00	
	Basic rate for haulage of materials as per item No. 17.4 KSRRB : M 100 - 4.1	t.km	For surface roads exluding Basic rate loading & unloading					2.00	
	Average Weight of earth	For2Kms =2x1.28x2						5.12	
	Basic rate							62.12	
	Area weightage 8%							4.97	
	Total						**344.12**	**67.09**	**23086.58**
14	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.28								
	Footings								
	C1	Sqm	15	11.6		0.55	95.7		
	C1'	Sqm	4	11.8		0.55	25.96		
	C2	Sqm	8	7.8		0.3	18.72		
	C3	Sqm	1	11.4		0.45	5.13		
	C4	Sqm	1	9.6		0.4	3.84		
	CF1	Sqm	1	19		0.3	5.7		
	Beam	Sqm	2	7.2		0.45	6.48		
	CF2	Sqm	1	13.4		0.3	4.02		
	Beam	Sqm	2	3.7		0.45	3.33		
	CF3	Sqm	3	14.2		0.3	12.78		
	Beam	Sqm	6	5.1		0.45	13.77		
	CF4	Sqm	1	14		0.3	4.2		
	Beam	Sqm	2	4.4		0.45	3.96		
	Basic rate							258.00	
	Area weightage 8%							20.64	
	Total						**203.59**	**278.64**	**56728.32**
15	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc , and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.31								
	Plinth Beam								
	Along Long Direction	Sqm	2	32.5		0.45	29.25		
		Sqm	2	24.6		0.45	22.14		
		Sqm	12	8.2		0.45	44.28		
	Along Short Direction	Sqm	16	7.8		0.45	56.16		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
		Sqm	4	20.32		0.45	36.58		
	Along corridor	Sqm	2	24.6		0.45	22.14		
		Sqm	2	13.52		0.45	12.17		
	Basic rate							358.00	
	Area weightage 8%							28.64	
	Total						**222.71**	**386.64**	**86110.14**
16	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 16, Item No 4.32								
	Ground Floor								
	Column Below Plinth								
	C1	Sqm	15	1.8		0.65	17.55		
	C1'	Sqm	4	1.8		0.65	4.68		
	C2	Sqm	8	1.2		0.9	8.64		
	C3	Sqm	1	1.8		0.75	1.35		
	C4	Sqm	1	1.8		0.8	1.44		
	C1	Sqm	2	1.8		0.45	1.62		
	C1	Sqm	2	1.8		0.45	1.62		
	C1	Sqm	3	1.8		0.45	2.43		
	C2	Sqm	3	1.2		0.45	1.62		
	C1	Sqm	2	1.8		0.45	1.62		
	Column upto beam bottom								
	C1	Sqm	15	1.8		3	81.00		
	C1'	Sqm	4	1.8		3	21.60		
	C2	Sqm	8	1.2		3	28.80		
	C3	Sqm	1	1.8		3	5.40		
	C4	Sqm	1	1.8		3	5.40		
	C1	Sqm	2	1.8		3	10.80		
	C1	Sqm	2	1.8		3	10.80		
	C1	Sqm	3	1.8		3	16.20		
	C2	Sqm	3	1.2		3	10.80		
	C1	Sqm	2	1.8		3	10.80		
	Basic rate							456.00	
	Area weightage 8%							36.48	
	Total						**244.17**	**492.48**	**120248.84**
17	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.Specification No. KBS 4.6.2 page no.16 item no 4.29.2								
	Ground Floor								
	Slab	Sqm	1	24.6	8.2		201.72		
		Sqm	1	21.72	8.2		178.10		
	Deductions								
	Staircase	Sqm	-1	4.6	2.8		-12.88		
	Basic rate							400.00	
	Area weightage 8%							32.00	
	Total						**366.94**	**432.00**	**158519.81**
18	KSRB 4-6.9 : Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specifications. Specifications No. KBS 4.6.2, Pg No 17,Item No 4.36								
	Ground Floor								
	Slab sides	Sqm	1	92.64		0.15	13.90		
		Sqm	1	59.84		0.15	8.98		
	Basic rate							755.00	
	Area weightage 8%							60.40	
	Total						**22.87**	**815.40**	**18649.83**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
19	KSRB 4-6.11 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 17, Item No 4.38								
	Stair Case								
	Waist slab 1	Sqm	1	3.75	1.25		4.69		
	Waist slab sides	Sqm	2	3.75		0.15	1.13		
	Waist slab 2	Sqm	1	3.75	1.25		4.69		
	Waist slab sides	Sqm	2	3.75		0.15	1.13		
	Riser	Sqm	24	1.25		0.15	4.50		
	Landing	Sqm	1	2.8	1		2.8		
	Landing sides	Sqm	1	2.8		0.15	0.42		
	Stair beam	Sqm	2	2.8		0.3	1.68		
	Basic rate							520.00	
	Area weightage 8%							41.60	
	Total						**21.03**	**561.6**	**11807.64**
20	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.Specification No. KBS 4.6.2, Pg No 17, Item No 4.34								
	Ground Floor								
	Beams								
	Along Long Direction	Sqm	2	29.7		0.45	26.73		
		Sqm	4	21.8		0.45	39.24		
		Sqm	12	8.2		0.45	44.28		
	Along Short Direction	Sqm	14	7.3		0.45	45.99		
		Sqm	6	19.62		0.45	52.97		
	Basic rate							292.00	
	Area weightage 8%							23.36	
	Total						**209.21**	**315.36**	**65977.73**
21	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.10								
	Footings								
	C1	Cum	15	3.1	2.7	0.55	69.05		
	C1'	Cum	4	3.3	2.6	0.55	18.88		
	C2	Cum	8	2.8	1.1	0.3	7.39		
	C3	Cum	1	4.2	1.5	0.45	2.84		
	C4	Cum	1	2.4	2.4	0.4	2.30		
	CF1	Cum	1	7.2	2.3	0.3	4.97		
	Beam	Cum	1	7.2	0.75	0.45	2.43		
	CF2	Cum	1	3.7	3	0.3	3.33		
	Beam	Cum	1	3.7	0.75	0.45	1.25		
	CF3	Cum	3	5.1	2	0.3	9.18		
	Beam	Cum	3	5.1	0.75	0.45	5.16		
	CF4	Cum	1	4.4	2.6	0.3	3.43		
	Beam	Cum	1	4.4	0.75	0.45	1.49		
	Plinth Beam								
	Along Long Direction	Cum	1	32.5	0.2	0.45	2.93		
		Cum	1	24.6	0.2	0.45	2.21		
		Cum	6	8.2	0.2	0.45	4.43		
	Along Short Direction	Cum	8	7.8	0.2	0.45	5.62		
		Cum	2	20.32	0.2	0.45	3.66		
	Along corridor	Cum	1	24.6	0.2	0.45	2.21		
		Cum	1	13.52	0.2	0.45	1.22		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Column Below Plinth								
	C1	Cum	15	0.6	0.3	0.65	1.76		
	C1'	Cum	4	0.6	0.3	0.65	0.47		
	C2	Cum	8	0.3	0.3	0.9	0.65		
	C3	Cum	1	0.6	0.3	0.75	0.14		
	C4	Cum	1	0.6	0.3	0.8	0.14		
	C1	Cum	2	0.6	0.3	0.45	0.16		
	C1	Cum	2	0.6	0.3	0.45	0.16		
	C1	Cum	3	0.6	0.3	0.45	0.24		
	C2	Cum	3	0.3	0.3	0.45	0.12		
	C1	Cum	2	0.6	0.3	0.45	0.16		
	Basic rate							5812.00	
	Area weightage 8%							464.96	
	Total						157.97	6276.96	991564.47
22	KSRB 4.2.8 : Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thickness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications. No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.12								
	Ground Floor								
	C1	Cum	15	0.6	0.3	3	8.10		
	C1'	Cum	4	0.6	0.3	3	2.16		
	C2	Cum	8	0.3	0.3	3	2.16		
	C3	Cum	1	0.6	0.3	3	0.54		
	C4	Cum	1	0.6	0.3	3	0.54		
	C1	Cum	2	0.6	0.3	3	1.08		
	C1	Cum	2	0.6	0.3	3	1.08		
	C1	Cum	3	0.6	0.3	3	1.62		
	C2	Cum	3	0.3	0.3	3	0.81		
	C1	Cum	2	0.6	0.3	3	1.08		
	Stair Case								
	Waist Slab for Flight 1	Cum	1	3.75	1.25	0.15	0.70		
	Waist Slab for Flight 2	Cum	1	3.75	1.25	0.15	0.70		
	Riser Treads	Cum	24			0.023	0.54		
			Triangular						
			area=0.5*0.3*0.15=0.0225						
	Landing	Cum	1	2.8	1.2	0.15	0.50		
	Stair Case beam	Cum	1	2.8	0.2	0.3	0.17		
	Basic rate							6045.00	
	Area weightage 8%							483.60	
	Total						21.79	6528.60	142246.77
23	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed cement for concrete with M-25. Pg No.19 Item No.4.49.2								
	Ground Floor								
	Slab	Cum	1	24.6	8.2	0.15	30.26		
		Cum	1	21.72	8.2	0.15	26.72		
	Deduction								
	Staircase	Cum	-1	4.6	2.8	0.15	-1.93		
	Beams								
	Along Long Direction	Cum	1	29.7	0.3	0.45	4.01		
		Cum	2	21.8	0.3	0.45	5.89		
		Cum	6	8.2	0.3	0.45	6.64		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Along Short Direction	Cum	7	7.3	0.3	0.45	6.90		
		Cum	3	19.62	0.3	0.45	7.95		
	Basic rate							5497.00	
	Area weightage 8%							439.76	
	Total						**86.42**	**5936.76**	**513076.77**
24	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2								
	Ground Floor								
	Footing	Cum	Concrete Quantity				131.70		
		kg	Steel assumed 100 Kg/Cum of Concrete				13169.7		
		tonne					**13.17**		
	Colomn	Cum	Concrete Quantity				23.17		
		kg	Steel assumed 150 Kg/Cum of Concrete				3475.58		
		tonne					**3.48**		
	Plinth beam	Cum	Concrete Quantity				22.27		
		kg	Steel assumed 100Kg/Cum of Concrete				2227.14		
		tonne					**2.23**		
	Staicase	Cum	Concrete Quantity				2.62		
		kg	Steel assumed 100 Kg/Cum of Concrete				261.83		
		tonnne					**0.26**		
	Beam	Cum	Concrete Quantity				31.38		
		kg	Steel assumed 125 Kg/Cum of Concrete				3922.8		
		tonne					**3.92**		
	Roof Slab	Cum	Concrete Quantity				55.04		
		kg	Steel assumed 125 Kg/Cum of Concrete				6880.2		
		tonne					**6.88**		
	Basic rate							78007.00	
	Area weightage 8%							6240.56	
	Total						**29.94**	**84247.6**	**2522136.26**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
25	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305								19.60
	Filling								
	Along long Direction	Cum	1	23.00	6.00	0.75	103.50		
	Corridor	Cum	1	24.60	1.80	0.75	33.21		
	Along Short Direction	Cum	1	19.62	5.80	0.75	85.35		
	Corridor	Cum	1	21.72	1.80	0.75	29.32		
	Basic Rate							325.00	
	Area weightage 8%							26.00	
	Total						**251.38**	**351.00**	**88234.03**
								Total Amount Demolition	**135351.37**
								Total Amount Building	**6422419.37**
								Sub Total	**6557770.74**
								GST Charges (12% of estimated cost)	**786932.5**
								Preparation of DPR and Architectural ,Structural Consultation fee(1% of estimated cost)	**75,000.00**
								Project management Consultancy Charges(1% of estimated cost)	**75,000.00**
								Miscellenious and rounding	**5,296.77**
								Grand Total	**7500000.00**

CERTIFICATE:

1) The work spot has been inspected and found to be necessary

2) The work spot comes under B.B.M.P

3) The provisions made in the estimate are necessary and minimum.

4) The estimate is based on C.S.R of 2018-2019, PWD Electrical 2019-20,PRED 2019-20, SE-RDED approved Rate and Issused Rates.

Assistant Engineer
BBMP

Assistant Executive Engineer
BBMP

Executive Engineer
BBMP

Administrative Approval

Accorded For RS 75 lakhs only
Head of A/C P 3853
CER NO : 03 Dt: 28.07.2021

TA

Chief Engine.
CE (TWK)
Yelahanka Zon-
Bangalore Mahanagara
Bangalore 9?

Technical Sanction

Accorded For RS 75 lakhs only
Head of A/C P 3853
CER NO : 17 Dt: 28.07.2021

TA

Chief Engine.
CE (TWK)
Yelahanka Zon-
Bangalore Mahanagara
Bangalore 9?